

Solar component selection guide

Solar Panels

Although Down South Solar Power can source most panels on the market, we believe these panels stand out as superior. Providing the best value for money while maintaining a high quality standard.

Here is a comparison:

	Trina	LG Solar
Manufacturers presence in Australia	Yes	Yes
Country of manufacture	China	South Korea
Product Warranty	10 yrs	10+2 yrs
Performance Warranty	25 yrs (linear)	25 yrs (linear)
Power Tolerance	0/+3%	0/+3%
Temperature Coefficient	-0.43%/°C	-0.43%/°C
Size	992 x 1650mm	1000 x 1640mm
Weight	19.5kg	17.3kg

Down South Solar Power will only supply solar panels that have:

- An Australian presence: Manufactured by a large reputable international company with a significant presence in Australia.
- A warranty process and service support that is accessible in Australia.
- Quality Assurance: Down South Solar Power is satisfied that there are stringent quality control processes and procedures in place throughout the manufacturing process.

Inverters

A crucial component of your Home Solar Energy System is the inverter. Inverters convert the dc electricity produced by the solar panels into ac electricity that your home and the grid utilise. Down South Solar Power recommends opting for a high quality inverter that has Australian warranty support.

Below are some features to compare:

	Growatt	Enphase	SMA
Country of manufacture	China	USA	Germany
Location of warranty support	Australia	Australia	Australia
Product warranty	5 yrs	10 yrs	5 yrs upgradable to 10 years
Efficiency (EU)	97.4%	95.4%	96.5%
Communication	RS485/RS232	Power Line	Blue Tooth & PC
MPPT's	Dual (3kW+)	Multiple	Dual (2.5kW+)

Solar Panel Mounting System

Down South Solar Power use the Clenergy Mounting system. The system is made from anodised aluminium and features a highly versatile design which has adjustability and expandability to suit any size job. The system is corrosion resistant which makes the system low maintenance with an extended life.

The system is backed by a 10 year warranty and complies with the Australian/New Zealand Standard on wind loads.